# Fulbright College Honors Program

**Bachelor of Arts in Biology**

**Requirements Catalog Year: 2014**

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**Core Requirements**

<table>
<thead>
<tr>
<th>Philosophy (3 hours):</th>
<th>Fine Arts (6 hours):</th>
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</thead>
<tbody>
<tr>
<td>PHIL 203H or 203 Intro to Philosophy</td>
<td>HUMN 2114H w/ 3 hours Fine Arts</td>
</tr>
</tbody>
</table>

**Natural Sciences & Mathematics:**

- Core—15-16 hours: 8 hours must at honors level
- **Natural Sciences (12 hours):** (at least 4 hours must be chosen from biological and 4 hours from physical)

<table>
<thead>
<tr>
<th>Biological Sciences</th>
<th>Physical Sciences</th>
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<tbody>
<tr>
<td>ANTH 103H/101L or 103 Intro to Biological Anthropology</td>
<td>PHYS 1023H/1021L College Physics I/Lab</td>
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<tr>
<td>BIOS 1543/1541L Principles of Biology</td>
<td>PHYS 2013/2011L College Physics I</td>
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<tr>
<td>BIOS 1603/1601L Principles of Zoology</td>
<td>BIOL 1543/1541L Environmental Geology</td>
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<tr>
<td>PHYS 1023/1021L or 2013/2011L University Chemistry II</td>
<td>PHYS 2074/L or 2074/L University Physics II</td>
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</tbody>
</table>

**Option 1**

**World Civilization (6 hours):**

- HIST 1113H or 1113 World Civilization I
- HIST 1123H or 1123 World Civilization II

**World Language (6 hours):**

- WLIT 1113H or 1113 World Literature I
- WLIT 1123H or 1123 World Literature II
- World Language Literature Course, any other WLIT course, CLST 1003 or CLST 1013

**Option 2**

Advising H2P equivalencies

<table>
<thead>
<tr>
<th>Completing</th>
<th>Replaces</th>
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<tbody>
<tr>
<td>HUMN 1114H</td>
<td>HIST 1113H</td>
</tr>
<tr>
<td>HUMN 1124H</td>
<td>WLIT 1113H</td>
</tr>
<tr>
<td>HUMN 2114H</td>
<td>HIST 1123H</td>
</tr>
<tr>
<td>HUMN 2124H</td>
<td>WLIT 1123H ** HUMN colloquium</td>
</tr>
</tbody>
</table>

*Note: Students who complete the fourth semester of Honors Roots Culture, HUMN 2124H, will receive a 3-hour waiver for the Humanities Colloquium requirement |

**Required General Electives to complete 120 hour Graduation Requirement**

- Completion of Senior Honors Thesis fulfills the Fulbright College Writing Requirement.

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**Major Requirements**

<table>
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<tr>
<th>Chemistry (12-16 hours):</th>
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<tbody>
<tr>
<td>CHEM 1103/1101L Chemistry I/Lab</td>
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<tr>
<td>CHEM 1123/1121L Chemistry II/Lab</td>
</tr>
<tr>
<td>CHEM 3603/3601L Organic Chemistry I/Lab AND</td>
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<tr>
<td>CHEM 3613/3611L Organic Chemistry II/Lab OR</td>
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<tr>
<td>CHEM 2613/2611L Organic Phys. Chem./Lab</td>
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</tbody>
</table>

**Mathematics/Statistics (6-8 hours):**

| MATH 2043 Survey of Calculus OR |
| MATH 2545C Calculus I |

**Choose One:**

- STAT 2025 Biostatistics |
- STAT 2303 Principles of Statistics |
- STA 4603/4601L Statistical Methods/Lab |
- MATH 2183 Mathematical Reasoning |

**Physics (8 hours):**

- PHYS 2033/2031L College Physics I/Lab |
- PHYS 2043/2041L College Physics II/Lab |

**Philosophy (3 hours):**

- PHIL 2103 Intro to Ethics |
- PHIL 2203 Logic |
- PHIL 3113 Environmental Ethics |
- PHIL 4213 Philosophy of Science |

**Principles of Biology (4 hours):**

- BIOL 1543/1541L Principles of Biology/Lab* |

* Majors may substitute another 1000 level BIOL course for 1543/1541L with dept. permission.

**Biological Sciences Core Courses (13 hours):**

- BIOL 2533 Cell Biology |
- BIOL 2533 General Genetics |
- BIOL 2533 General Ecology |
- BIOL 2533 Evolutionary Biology |

**Biology Electives (13 hours without least 9 hrs in courses numbered 3000+):**

- BIOL 3133 Evolutionary Biology |
- BIOL 3233 Evolutionary Biology |
- BIOL 3243 Evolutionary Biology |
- BIOL 3253 Evolutionary Biology |
- BIOL 3263 Evolutionary Biology |
- BIOL 3273 Evolutionary Biology |

- At least one course numbered 2000+ with lab: |
  - BIOL 3133 Evolutionary Biology |
  - BIOL 3233 Evolutionary Biology |
  - BIOL 3243 Evolutionary Biology |
  - BIOL 3253 Evolutionary Biology |
  - BIOL 3263 Evolutionary Biology |
  - BIOL 3273 Evolutionary Biology |

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**Requirements for Departmental Scholar in Biology:**

The biological sciences honors program is designed to provide students an opportunity to investigate questions in biology through an expanded reading program and research experience. Biological science majors may apply to enter the program between the second semester of the sophomore year and the beginning of the junior year. Application is made through both Honors Studies (MAIN 517) and the Department of Biological Sciences (SCEN 601). Applicants must have a 3.5 grade-point average.

Students should consult with their advisor to identify and contact a potential faculty member. The student’s research activities will then be directed by the departmental faculty member who agrees to sponsor the student.

Students may enroll for up to 4 hours of credit in BIOL 399V during the junior year and up to 8 hours of credit in BIOL 499V during the senior year. A maximum of six of these credits may be applied toward a major. Participants must complete and defend an honors thesis and take 12 hours in Honors Studies, which may include six hours of thesis. The honors thesis is based on an original research project. Completion of an honors thesis fulfills the writing requirement in biological sciences, which precludes credit for BIOL 480V (Senior Thesis) for the same body of work.

**Writing Requirement:** The college writing requirement for majors in biology may be met by one of the following:

- Completion of an honors thesis
- Completion of a senior thesis (BIOL 480V) supervised by a faculty member in biological sciences
- Completion of a required term paper with a grade of B or above in a BIOL course numbered 3000 or above on a topic approved by the instructor, or
- Completion of a paper, supervised by a Biological Sciences faculty member, in Special Problems (BIOL 480V).

**Note:** A student exercising option 3 or 4 may not use the same paper written for that option credit in BIOL 480V.

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1 Honors students who take University Chemistry I (1103/1101L) as a regular course followed by Honors University Chemistry II (CHEM 1123/1121M/1120E) receive 8 hours of Honors science credit. Honors students who complete Chemistry for Majors will receive Honors credit.

****This form is NOT a substitute for the Catalog of Studies. Students should verify their graduation requirements with their advisor, their degree evaluation, and the Catalog of Studies.

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Updated: July 9, 2014